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**MICAS: CRYSTAL CHEMISTRY  
AND METAMORPHIC PETROLOGY**

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FRONT COVER: Perspective view of TOT layers in Biotite down [100] ([001] is vertical), produced by *CrystalMaker*, Red tetrahedra contain Si and Al, green and white octahedra contain Mg and Fe, respectively, and yellow spheres represents the K interlayer cations. Courtesy of Mickey Gunter, University of Idaho, Moscow. [Data: S.R. Bohlen et al. (1980) Crystal chemistry of a metamorphic biotite and its significance in water barometry. *Am Mineral* 65: 55-62]

BACK COVER: A view down [001] of lepidolite-2M<sub>2</sub>, showing tetrahedrally coordinated Si,Al (blue) joined with bridging oxygens (red thermal ellipsoids) in the T-Layer and ordered, octahedrally coordinated Al (gray) and Li (yellow) in the O-layer. The interlayer cation 1 s12-coordinator K (green). Courtesy of Bob Downs, University of Arizona, Tucson. [Data: S. Guggenheim (1981) Cation ordering in lepidolite. *Am Mineral* 66: 1221-1232]

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